1626

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TRANSMITTING TRIODE

For oscillator applications requiring unusually stable characteristics

Heater°	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.25	amp.
Amplification Factor	5	
Direct Interelectrode Capacitances:		
Grid to Plate	4.4	μμf
Grid to Cathode	3.2	μμf
Plate to Cathode	3.4	μμf
Maximum Overall Length		4-1/8"
Maximum Seated Height		3-9/16"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small Shell Octal 8-Pin, MICANOL#

MAXIMUM CCS RATINGS and TYPICAL OPERATING CONDITIONS

CCS = Continuous Commercial Service

R-F POWER AMPLIFIER & OSCILLATOR - Class C Telegraphy

Key-down conditions per tube without modulation ##

D-C Plate Voltage	250	max.	volts
D-C Grid Voltage	-150	max.	volts
D-C Plate Current	25	max.	ma.
D-C Grid Current	8	max.	ma.
Plate Input	6.25	max.	watts
Plate Dissipation	5	max.	watts
Typical Operation:			
D-C Plate Voltage	250		volts
D-C Grid Voltage*	-70		volts
	14000		ohms
	2300		ohms
Peak R-F Grid Voltage	105		volts
D-C Plate Current	25		ma.
D-C Grid Current**	5	approx.	ma.
Driving Power**	0.5	approx.	watt
Power Output	4	approx.	watts

° In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

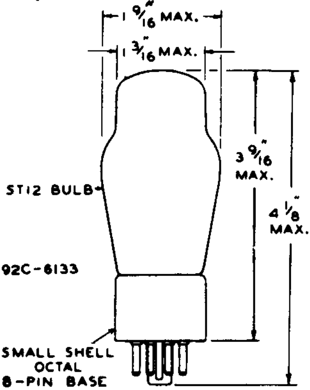
Modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115% of the carrier conditions.

* Obtained from fixed supply (-70), by grid resistor (14000), or cathode resistor (233), or by combination methods. When the 1626 is used in the final amplifier or a preceding stage of a transmitter designed for break-in operation and oscillator keying, a small amount of fixed bias must be used to maintain the plate current at a low value. With plate volts of 250, a fixed bias of at least -35 volts must be used.

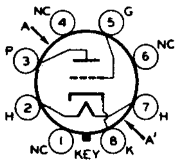
** Subject to wide variations as explained on sheet TRANS. TUBE RATINGS.

Registered trademark.

Data on operating frequencies for the 1626 are given on the sheet TRANS. TUBE RATINGS vs FREQUENCY.



BOTTOM VIEW OF SOCKET CONNECTIONS



AA'= PLANE OF ELECTRODES

Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - No Connection
Pin 5 - Grid
Pin 6 - No Connection
Pin 7 - Heater
Pin 8 - Cathode

TUBE MOUNTING POSITION

VERTICAL or HORIZONTAL

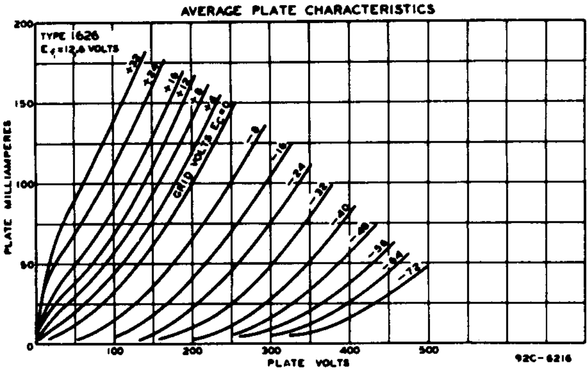
MARCH 15, 1941 TENTATIVE DATA

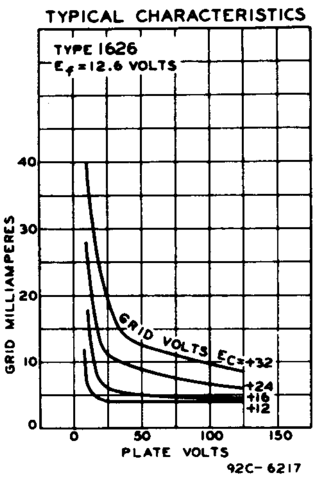
RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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MARCH 15, 1941

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